

ABSTRACT

A treatment and transportation system for transporting a flow of fluid hydrocarbons containing water. The system including a pipeline, wherein the flow of fluid hydrocarbons is introduced into a reactor where it is mixed with particles of gas hydrates which are also introduced into the reactor. The effluent flow of hydrocarbons from the reactor is cooled in a heat exchanger to ensure that all water present therein is in the form of gas hydrates. The flow is then treated in a separator to be separated into a first flow and a second flow. The first flow has a content of gas hydrate and is recycled to the reactor to provide the particles of gas hydrates mentioned above. The second flow is conveyed to a pipeline to be transported to its destination.